

ASEA JOURNAL

VOLUME 34

1961

PUBLISHED BY

ASEA

VÄSTERÅS, SWEDEN

SEA JOURNAL

VOLUME 34

1961

PUBLISHED BY

ASEA

VÄSTERÅS, SWEDEN

LIST OF AUTHORS

	Page		
<i>Almström, K.</i>		<i>Mills, B.</i>	
Submerged bulb unit in Skogsforsen Power-station	199	The manufacture of control rods in the Asea Nuclear Power Department	
<i>Alveskog, O.</i>		<i>Nyfors, B.</i>	
Momtaz Steam Power-station, Teheran, Iran	193	A special room for corona measurements	
<i>Bengtsson, G.</i>		<i>Nylund, B.</i>	
Inert-gas tungsten arc welding of aluminium and its alloys	154	Supply-voltage stabilisers and regulators	
<i>Carlsson, S.</i>		<i>Reibring, G.</i>	
30-ton induction furnaces for melting and holding iron	215	A Danish heavy-plate mill	
<i>Dahl, L.</i>		<i>Rönnevig, C.</i>	
The new receiving station at Sundsvall	95	Submerged bulb unit in Skogsforsen Power-station	
<i>Faxö, L.</i>		<i>Sahlberg, A.</i>	
An ampere-hour meter for submarines	228	Driver's cabin for overhead travelling cranes	
<i>Fogaras, L.</i>		A ladle crane	
Contact resistance measurements with a.c.	9	Overhead cranes for an iron store	
<i>Fryxell, J.</i>		<i>Sallow, A.</i>	
High-voltage impulse-testing equipment	187	New electric deck crane	
<i>Garmo, R.</i>		<i>Sollergren, B.</i>	
40 MVA synchronous condenser in Canada	12	A test to destruction on a hermetically sealed transformer of dry type	
<i>Gott, E.</i>		<i>Stackegård, A.</i>	
Cubicle-type switchgear for voltages up to 500 V	148	New high-speed d.c. circuit-breaker for 3,000 V	
<i>Greve, A. W.</i>		<i>Stackegård, H.</i>	
Over-voltage protection in low-voltage networks	34	Capacitor bank with harmonic filters	
Active-gap lightning arresters	143	<i>Strindemark, A.</i>	
<i>Haraldsen, S.</i>		The back-up circuit-breakers, high-speed making switches and isolators in the Asea High-power Laboratory at Ludvika	
Anechoic room for measuring the sound pressure level of transformers	86	<i>Ström, N. E.</i>	
<i>Hessen, P.</i>		A heating installation with 750 kW transducers	
A transformer bank with the record-breaking rating of 1,000 MVA	102	<i>Strömberg, T.</i>	
<i>Jonsson, A.</i>		A 55 MVA, 94 r/m generator at Stensele	
Valve actuators	173	<i>Strömblad, E.</i>	
<i>Kochen, C.-H.</i>		Truck-type switchgear for 20 kV	
Level-luffing jib crane for Söderhamn harbour	84	<i>Tiljander, K.</i>	
<i>Lagerblad, G.</i>		Two-chamber induction furnaces for the melting and holding of non-ferrous metals	
A new series of geared motors	15	<i>Törnros, E.</i>	
Valve actuators	173	Conductors and current collectors	
<i>Lindholm, C.-H.</i>		<i>Ulfward, B.</i>	
New electric deck crane	167	The escalators on the Stockholm Underground Railway	
<i>Malmsten, L.</i>		<i>Widén, S.</i>	
Experimental locomotive with silicon rectifier cells	55	Completely automatic sugar centrifugals	
<i>Marup-Jensen, G.</i>		<i>Wirsén, L.-E.</i>	
The problem of noise in electrical machines	39	New high-speed d.c. circuit-breaker for 3,000 V	
<i>Meldahl, K.</i>		<i>Öhman, G.</i>	
A new series of geared motors	15	The reaction chamber – a new breaking feature for high-voltage circuit-breakers	

LIST OF CONTENTS

	Page		Page
<i>Research and testing</i>		The back-up circuit-breakers, high-speed making switches and isolators in the Asea High-power Laboratory at Ludvika	27
Contact resistance measurements with a.c.	9	Over-voltage protection in low-voltage networks	34
The problem of noise in electrical machines	39	Main switchboard for fruit carrier*	51
Longest instrument for measuring capacitance	51	Modern pushbuttons*	92
Special room for corona measurements	66	Kiosk for the outdoor erection of 10 kV switchgear of type VHB*	119
Anechoic room for measuring the sound pressure level	86	Truck-type switchgear for 20 kV	127
Transformers	86	New high-speed d.c. circuit-breaker for 3,000 V	133
Test to destruction on a hermetically sealed transformer of dry type	130	Switching starters with contactors of type EF*	138
High-voltage impulse-testing equipment	187	Three-phase under-voltage relay type ROTA*	139
<i>Welding</i>		Active-gap lightning arresters	143
Electro-gas tungsten arc welding of aluminium and its alloys	154	Cubicle-type switchgear for voltages up to 500 V	148
<i>Nuclear power</i>		Valve actuators	173
The manufacture of control rods in the Asea Nuclear Power Department	222	The reaction chamber – a new breaking feature for high-voltage circuit-breakers	178
<i>Steam and gas turbines</i>		Contactors type EF 10 combined with thermal overload relay type RVO*	184
1 MW steam turbine at Detroit	46	Regulation of the line load between Norway and Sweden*	211
Gas-turbine power-station in Venezuela*	120	Switchgear for 10 kV*	211
Tomaz Steam Power-station, Teheran, Iran	199	Deliveries of control equipment to South Africa*	212
<i>Electric machines</i>		An ampere-hour meter for submarines	228
10 MVA synchronous condenser in Canada	12	Supply-voltage stabilisers and regulators	230
New series of geared motors	15	Remote-control equipment for demonstration and testing*	235
Welded rotor spider for Stensele Power-station*	21	<i>Traction and marine equipment</i>	
The problem of noise in electrical machines	39	S.S. Oriana equipped with Asea deck cranes*	50
An a.c. generator with permanent magnets*	72	Experimental locomotive with silicon rectifier cells	55
Commutator motor standing on its bearing end-shields*	91	Electric three-coach sets for suburban lines*	70
55 MVA, 94 r/m generator at Stensele	100	New electric deck crane	167
Short-circuit generator for Chicago*	119	Extra powerful traction motors and several ore locomotives ordered*	234
Synchronous condenser of record size supplied to the Swedish State Power Board*	140	<i>Cranes, escalators and hoists</i>	
Totally enclosed induction motors for the U.S.S.R*	164	The escalators on the Stockholm Underground Railway	3
Submerged bulb unit in Skogsforsen Power-station	199	Skips and measuring pockets for a net load of 50 tons*	22
Extra powerful traction motors and several ore locomotives ordered*	234	S.S. Oriana equipped with Asea deck cranes	50
Synchronous condenser for Chile*	236	Conductors and current collectors	61
<i>Transformers</i>		Level-luffing jib crane for Söderhamn harbour	84
Transformer bank with the record-breaking rating of 1000 MVA	102	Driver's cabin for overhead travelling cranes	123
Test to destruction on a hermetically sealed transformer of dry type	130	Mine hoists for South Africa*	162
Transformer for transport with a "Schnabelwagen"* ..	181	New electric deck crane	167
<i>Rectifiers</i>		Disc brakes for overhead cranes*	183
Experimental locomotive with silicon rectifier cells	55	A ladle crane	208
Mercury-arc rectifier type JSK 5*	89	Overhead cranes for an iron store	225
100 kW germanium rectifier for a vacuum arc furnace*	139	<i>Electric furnaces</i>	
Mercury-arc rectifier JR(B,C)L 11 for industrial plants and traction systems*	160	Two-chamber induction furnaces for the melting and holding of non-ferrous metals	47
<i>Capacitors</i>		Induction stirrer at Samuel Fox & Co.*	71
Capacitor bank with harmonic filters	75	A heating installation with 750 kW transducers	79
<i>Switching and control equipment</i>		Mains-frequency induction furnaces for the melting of aluminium*	163
Locking device for pushbuttons*	21	Mains-frequency induction furnace of channel type for the holding and overheating of cast iron*	183
Pressductor weighing equipment*	23	30-ton induction furnaces for melting and holding iron	215
Remote-control panel in the central control room of the Åsterås Municipal Electricity Authority*	24	Large arc furnace supplied to customer in Norway*	233
		<i>Electric power plants and networks</i>	
		Over-voltage protection in low-voltage networks	34
		The new receiving station at Sundsvall	95

	Page
Gas-turbine power-station in Venezuela*	120
Momtaz Steam Power-station, Teheran, Iran	193
Submerged bulb unit in Skogsforsen Power-station	199
Regulation of the line load between Norway and Sweden*	211

Industrial equipment

Completely automatic sugar centrifugals	19
Compressor plant at the Works of General Motors do Brasil*	52
Asea commutator drive equipment for photogravure and newspaper presses*	90
A Danish heavy-plate mill	204

Organisation and staff notices

New Asea brochures	
Reorganisation of Asea's Management	
I.E.C meeting in India*	
Asea activities during 1960	
The Asea Group throughout the World	
Visit by New York Security Analysts*	
Electrical Engineers Exhibition*	
The Utrecht Industrial Fair 1961*	
The Asea cable factory in South Africa*	
New Asea brochures	
Australian Trade Fair on board M/S Kirribilli*	
The Sydney Trade Fair 1961*	

* Published under the heading "News in brief"